PATENT & TRADEMARK OFFICE
SEP 2 0 2003

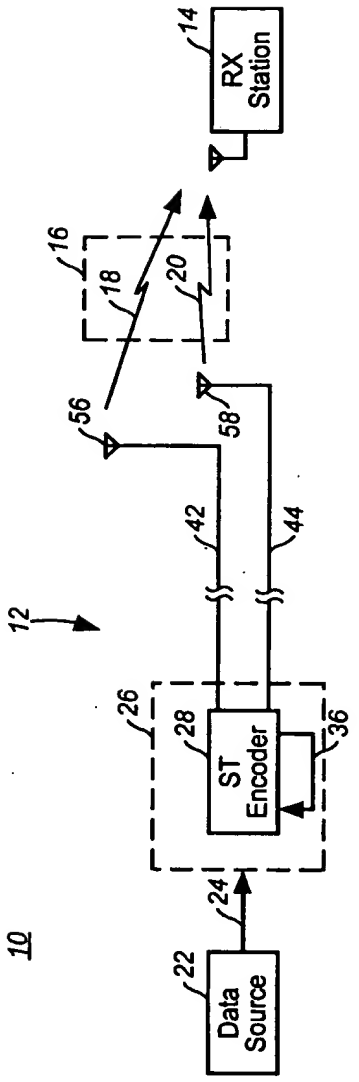

FIG. 1

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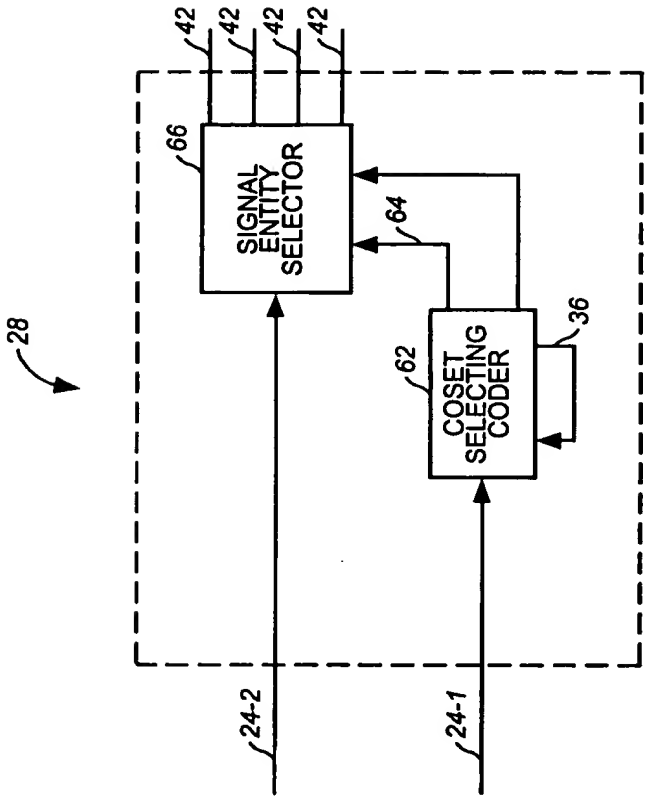

FIG. 2

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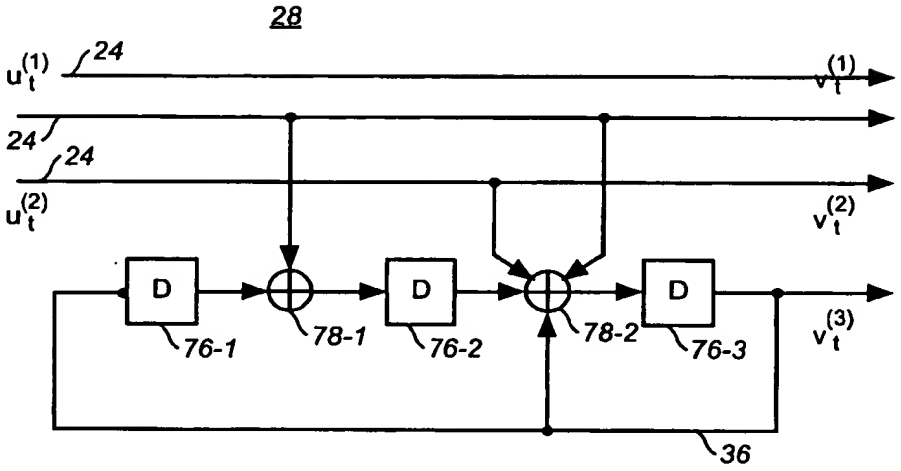

FIG. 3

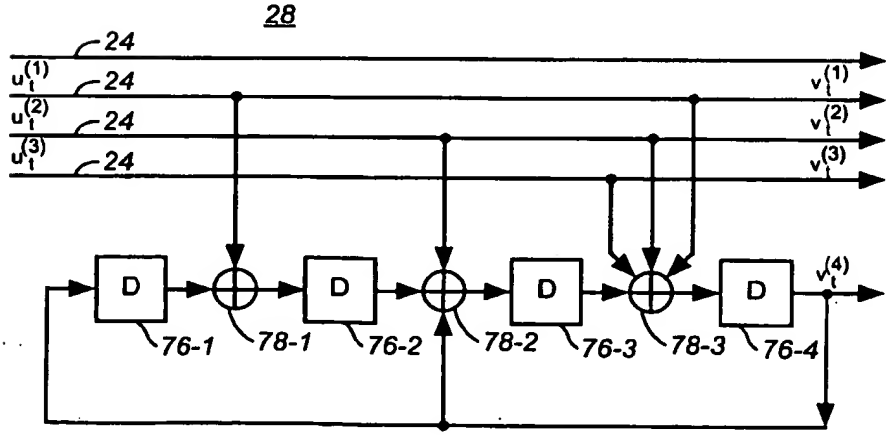

FIG. 4

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i=0	q		i=8	q		i=16	q		i=24	q	
...7	8	16	...15	8	16	...23	8	16	...31	8	16
$\begin{bmatrix}13\\00\end{bmatrix}$	C_0 00	C_0 0	$\begin{bmatrix}33\\02\end{bmatrix}$	C_0 01	C_2 1	$\begin{bmatrix}31\\00\end{bmatrix}$	C_5 00	C_8 0	$\begin{bmatrix}11\\02\end{bmatrix}$	C_5 01	C_{10} 1
$\begin{bmatrix}12\\10\end{bmatrix}$	C_1 00	C_1 0	$\begin{bmatrix}32\\12\end{bmatrix}$	C_1 01	C_3 1	$\begin{bmatrix}30\\10\end{bmatrix}$	C_4 00	C_9 0	$\begin{bmatrix}10\\12\end{bmatrix}$	C_4 01	C_{11} 1
$\begin{bmatrix}11\\20\end{bmatrix}$	C_0 10	C_2 0	$\begin{bmatrix}31\\22\end{bmatrix}$	C_0 11	C_0 1	$\begin{bmatrix}33\\20\end{bmatrix}$	C_5 10	C_{10} 0	$\begin{bmatrix}13\\22\end{bmatrix}$	C_5 11	C_8 1
$\begin{bmatrix}10\\30\end{bmatrix}$	C_1 10	C_3 0	$\begin{bmatrix}30\\32\end{bmatrix}$	C_1 11	C_1 1	$\begin{bmatrix}32\\30\end{bmatrix}$	C_4 10	C_{11} 0	$\begin{bmatrix}12\\32\end{bmatrix}$	C_4 11	C_9 1
$\begin{bmatrix}03\\01\end{bmatrix}$	C_3 00	C_5 0	$\begin{bmatrix}23\\03\end{bmatrix}$	C_3 01	C_7 1	$\begin{bmatrix}21\\01\end{bmatrix}$	C_6 00	C_{13} 0	$\begin{bmatrix}01\\03\end{bmatrix}$	C_6 01	C_{15} 1
$\begin{bmatrix}02\\11\end{bmatrix}$	C_2 00	C_4 0	$\begin{bmatrix}22\\13\end{bmatrix}$	C_2 01	C_6 1	$\begin{bmatrix}20\\11\end{bmatrix}$	C_7 00	C_{12} 0	$\begin{bmatrix}00\\13\end{bmatrix}$	C_7 01	C_{14} 1
$\begin{bmatrix}01\\21\end{bmatrix}$	C_3 10	C_7 0	$\begin{bmatrix}21\\23\end{bmatrix}$	C_3 11	C_5 1	$\begin{bmatrix}23\\21\end{bmatrix}$	C_6 10	C_{15} 0	$\begin{bmatrix}03\\23\end{bmatrix}$	C_6 11	C_{13} 1
$\begin{bmatrix}00\\31\end{bmatrix}$	C_2 10	C_6 0	$\begin{bmatrix}20\\33\end{bmatrix}$	C_2 11	C_4 1	$\begin{bmatrix}22\\31\end{bmatrix}$	C_7 10	C_{14} 0	$\begin{bmatrix}02\\33\end{bmatrix}$	C_7 11	C_{12} 1

FIG. 5